

Complete set of claims

1. (Amended) An optical film ~~which is~~ comprising a layered product of a light scattering film that scatters and transmits light and ~~is constituted by~~ comprises at least two phases ~~or more~~ having different refractive ~~indexes~~ indices from each other, and a reflective polarizer by which light is selectively P/S converted, wherein at least one of the phases which has a the greater refractive index in the light scattering film has pillar structures extending in the thickness direction of the film, and further where the refractive index changes gradually at the interface of a the greater refractive index phase and another phase, and furthermore the transmittance of the film in the normal direction of the film is not less than 4 %.

2. (Deleted)

3.(Amended) The optical film according to Claim 1, wherein axis lines of the pillar structures extending in the thickness direction of the light scattering film are in parallel with each other and the direction of the axis lines thereof are orientated in the normal direction to the film.

4.(Amended)The optical film according to Claim 1, wherein axis lines of the pillar structures extending in the thickness direction of the light scattering film are in parallel with each other and the direction of the axis lines are inclined with respect to the normal direction to the film.

5.(Amended)The optical film according to ~~any one of claims 1, 3 to 4,~~ claim 1, wherein difference in refractive ~~indexes~~ indices between at least two phases ~~or more~~ having different refractive ~~indexes~~ indices of the light scattering film is in a range of 0.005 to 0.1.

6. (Amended) The optical film according to ~~any one of claims 1, 3 to 5,~~ claim 1, wherein said light scattering film is made from a polymer material having a radiation sensitive property.

7. (Amended) The optical film according to ~~any one of claims 1, 3 to 6,~~ claim 1, wherein said reflective polarizer is of a lamination type.

8. (Amended) The optical film according to ~~any one of claims 1, 3 to 6,~~ claim 1, wherein said reflective polarizer is a film making use of selective reflection characteristic of cholesteric liquid crystal.

9.(New) The optical film according to claim 3, wherein difference in refractive ~~indexes~~ indices between at least two phases ~~or more~~ having different ~~indexes~~ indices of the light scattering film is in a range of 0.005 to 0.1.

10. (New) The optical film according to claim 3, wherein said light scattering film is made from a polymer material having a radiation sensitive property.

11.(New) The optical film according to claim 3, wherein said reflective polarizer is of a lamination type.

12.(New) The optical film according to claim 3, wherein said reflective polarizer is a film making use of selective reflection characteristic of cholesteric liquid crystal.

13.(New)The optical film according to claim 4, wherein difference in refractive ~~indexes~~ indices between at least two phases ~~or more~~ having different refractive ~~indexes~~ indices of the light scattering film is in a range of 0.005 to 0.1.

14. (New) The optical film according to claim 4, wherein said light scattering film is made from a polymer material having a radiation sensitive property.

15.(New) The optical film according to claim 4, wherein said reflective polarizer is of a lamination type.

16.(New) The optical film according to claim 4, wherein said reflective polarizer is a film making use of selective reflection characteristic of cholesteric liquid crystal.